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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/487,529	01/19/2000	David A. Wood	5181-38400	3267
/ 75	90 01/15/2004		EXAM	INER
B. NOEL KIVLIN MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C.			HOANG, PHUONG N	
P.O. BOX 398	HOOD, KIVLIN, KOWI	eri & GOETZEL, P.C.	ART UNIT	PAPER NUMBER
AUSTIN, TX	78767-0398		2126	0
			DATE MAILED: 01/15/2004	; Y

Please find below and/or attached an Office communication concerning this application or proceeding.



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	Application No.	Applicant(s)	X
	09/487,529	WOOD ET AL.	()F
Office Action Summary	Examiner	Art Unit	
	Phuong N. Hoang	2126	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY	/ IS SET TO EXPIRE 3 MONTH	(S) FROM	
THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period with the reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be tir within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed ys will be considered timely. It the mailing date of this communication CD (35 U.S.C. § 133).	
1) Responsive to communication(s) filed on 20 Oc	<u>ctober 2003</u> .		
2a)⊠ This action is FINAL . 2b)□ This	action is non-final.		
3) Since this application is in condition for allowar closed in accordance with the practice under E			
Disposition of Claims			
4) Claim(s) <u>1 - 20</u> is/are pending in the application	١.		
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1 - 20</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	r election requirement.		
Application Papers			
9) The specification is objected to by the Examine			
10) The drawing(s) filed on is/are: a) acce	•		
Applicant may not request that any objection to the	•	` '	
Replacement drawing sheet(s) including the correcting 11) The oath or declaration is objected to by the Ex		•).
Priority under 35 U.S.C. §§ 119 and 120	anniner. Note the attached Office	ACTION OF TORM PTO-152.	
12) Acknowledgment is made of a claim for foreign	priority under 35 H.S.C. & 119(a	a)_(d) or (f)	
a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	ion No ed in this National Stage	
 * See the attached detailed Office action for a list of 13) Acknowledgment is made of a claim for domestic since a specific reference was included in the firs 37 CFR 1.78. a) The translation of the foreign language pro 	c priority under 35 U.S.C. § 119(a strength of the specification of the	e) (to a provisional application in an Application Data She	
14) Acknowledgment is made of a claim for domestic reference was included in the first sentence of the	priority under 35 U.S.C. §§ 120	and/or 121 since a specific	
Attachment(s)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P	(PTO-413) Paper No(s) Patent Application (PTO-152)	

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DETAILED ACTION

1. Claims 1 – 20 are presented for examination.

Claim Rejections - 35 USC § 102

- 2. The section of 35 U.S.C. 102 can be found in the previous office action.
- 3. Claims 1 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Chambers, US patent no. 5,884,052.

As to claim 1, Chambers teaches a computer system comprising:

a first device (initiator PCI agent, col. 5); and

a second device (target PCI agent, col. 5) coupled to the first device;

wherein the first device is configured to convey a first request (data

transaction, col. 5 lines 15 - 20) to the second device, wherein the second device is

configured to receive the first request, wherein the second device is configured to detect

a temporarily unavailable condition (internal access latency, col. 5 lines 25 – 40),

wherein the second device is configured to convey a response (the target issued a retry,

col. 5) to the first device corresponding to the first request, and wherein the response

includes a delay value (delay input, col. 5 lines 45 – 55) corresponding to the

temporarily unavailable condition.

As to claim 2, Chamber teaches the first device is configured to receive the Response (using the delay input, col. 5 lines 50 – 55), and wherein the first device is configured to convey a second request (the initiator waits until the expiration of the

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target's internal access latency and then accesses the target again, col. 5 lines 30 - 40) to the second device at a time corresponding to the delay value.

As to claim 3, Chamber teaches the computer system of claim 1, wherein the second device is configured to generate delay value (delay input, col. 5 lines 45 – 55) according to a type of the temporarily unavailable condition.

As to claim 4, Chamber teaches the computer system of claim 1, wherein the delay value corresponds to a first value in response to the temporarily unavailable condition (The known internal access latency period is characterized as a "delay input", col. 5 lines 45 – 55) corresponding to a first type of condition and wherein the delay value corresponds to a second value in response to the temporarily unavailable condition corresponding to a second type of condition.

As to claim 5, Chamber teaches the computer system of claim 1, wherein the second device is configured to calculate delay value using one or more variables (the variable retry strategy of the present invention can be characterized as "n, 2,2,2...", col. 6 lines 6 – 43) that correspond to one or more previous temporarily unavailable conditions.

As to claim 6, Chamber teaches the computer system of claim 1, wherein the delay value corresponds to an encoded value (n, col. 6 lines 6 - 43).

As to claim 7, Chamber teaches the computer system of claim 1, farther comprising:

a policy layer (smart retry state machine 502, col. 7 lines 6-50) coupled to the first device and second device, wherein the policy layer is configured to cause an error

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recovery mechanism (smart retry state machine 502, col. 7 lines 6-50) to be initiated in response to detecting that a retry limit corresponding to the first request is exceeded, and wherein the error recovery mechanism is configured to perform an action according to the response.

As to claim 8, see claim 1 accept for a communications medium. Further, Chamber teaches a communications medium (PCI bus connector 403).

As to claim 9, Chamber teaches the computer system of claim 8, wherein the communications medium comprises a switching network (LAN of fig. 1).

As to claim 10, Chamber teaches the computer system of claim 8, wherein the communications medium comprises a shared bus (PCI bus, col. 6 - 8).

As to claim 11, Chamber teaches the computer system of claim 8, wherein the communications medium comprises an arbitrated loop (the PCI agent attempts a subsequent access.....arbitrates for and acquires owndership of the PCI bus, col. 8 lines 40 - 50).

As to claim 12, see claim 3 above.

As to claim 13, see claim 6 above.

As to claim 14, see claim 7 above.

As to claim 15, see claim 1 above.

As to claim 16, see claim 2 above.

As to claim 17, Chamber teaches the method of claim 15, further comprising:

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initiating an error recovery mechanism (smart retry state machine 502, col. 7 lines 6 – 50) corresponding to the response in response to determining that a retry limit corresponding to the first request has been exceeded.

As to claim 18, see claim 6 above.

As to claim 19, Chamber teaches the method of claim 15, wherein the generating further comprises:

determining a type of the temporarily unavailable condition (determine the internal access latency, col. 5 - 6); and

generating the delay value (delay input, col. 5 lines 45 – 55) according to the type of the temporarily unavailable condition.

As to claim 20, see claim 5 above.

Response to Arguments

- 4. Applicant's arguments filed on 10/20/03 have been fully considered but they are not persuasive.
- 5. In the remark, applicant argued that Chambers fails to teach "the second device is configured to detect a temporarily unavailable condition, wherein the second device is configured to convey a response to the first device corresponding to the first request, and wherein the response includes a delay value corresponding to the temporarily unavailable condition (page 7 last paragraph). The policy layer is configured to cause an error recovery mechanism to be initiated in response to detecting that a retry limit

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corresponding to the first request is exceeded, and wherein the error recovery mechanism is configured to perform an action according to the response (page 8 second paragraph).

6. In response,

Applicant fails to point out how the claimed limitations are not met. Chambers teaches all claimed limitations. Chambers teaches a second device (target PCI agent, col. 5) coupled to the first device (initiator PCI agent, col. 5); wherein the first device is configured to convey a first request (data transaction, col. 5 lines 15 – 20) to the second device, wherein the second device is configured to receive the first request, wherein the second device is configured to detect a temporarily unavailable condition (internal access latency, col. 5 lines 25 – 40), wherein the second device is configured to convey a response (the target issued a retry, col. 5) to the first device corresponding to the first request, and wherein the response includes a delay value (delay input, col. 5 lines 45 -55) corresponding to the temporarily unavailable condition. Chambers teaches a policy layer (smart retry state machine 502, col. 7 lines 6 – 50) coupled to the first device and second device, wherein the policy layer is configured to cause an error recovery mechanism (smart retry state machine 502, col. 7 lines 6 – 50) to be initiated in response to detecting that a retry limit corresponding to the first request is exceeded, and wherein the error recovery mechanism is configured to perform an action according to the response.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (703) 605-4239. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703)305-9678. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)746-7140.

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Ph

January 7, 2004

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